

Daily System Generation Summary on Sunday

Sunday, July 14, 2019

Availability at Daily Maximum Demand Hour

ST-Coal	0 MW
ST-Gas	0 MW
ST-Oil	0 MW
Hydro	1,892 MW
Distillate	0 MW
Total TNB	1,892 MW
Total IPP	14,846 MW
Total Co-Gen	0 MW
Total System	19,413 MW

Generation Mix

Type	MWh	Percentage
Hydro	8,131	2.48 %
Gas	34,262	10.45 %
Total TNB	42,393	12.94 %
ST-Coal	213,839	65.25 %
LSS	1,592	0.49 %
Gas	69,694	21.27 %
Total IPP	285,125	87.00 %
Co-Gen	1,182	0.36 %
Total Co-Gen	1,182	0.36 %
Total Generation	328,700	100.30 %
PLTG	252	0.08 %
HVDC	723	0.22 %
Interconnection	975	0.30 %
Net Energy	327,725	100.00 %

Maximum Demand Record

Date: 4/18/2019	18,566 MW
Date: 4/18/2019	391,845 MWH

Set On Bus, TNB, IPP And MD

Daily Maximum Demand Hour at:	21:00:00 Hour
Total Set On Bus	16,263 MW
TNB Generation	2,510 MW
IPP Generation	12,733 MW
Spinning Reserve	992 MW
Maximum Demand	15,161 MW
Net Energy	327,725 MWH
Load Factor	90.07 %

Fuel Cost

Total Cost:	59,179,795.05 RM
Cost per Unit	17.99 cents/kWH

Average Spinning Reserve During Peak Hour

Type	MW
GT	430
Hydro	223
Syncon	657
Thermal	454
Total	1,764

Time	Weather	Temperature
Afternoon	Hot	34
Morning	Sunny	27

Gas Usage

Station	(mmcsfd)
GLGR	28
TJGS	210
Total TNB	238
NPRI	74
PGLA	105
PLPS	64
SGB3	12
SGRI	75
SKSP	25
YPKA	40
Total IPP	396
Total Gas	633
Total Gas Required	633

Alternate Fuel Usage

Station	(mmcsfd)
Total	0

Hourly System MW Generation

	00:00	01:00	02:00	03:00	04:00	05:00	06:00	07:00	08:00	09:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
System Total	14896	14370	13685	13281	12997	12734	12707	12339	11754	12362	13058	13675	13764	13651	14002	13973	13934	13763	13512	13685	14990	15161	14954	14781

Prepared By: -Select Name-

Checked By: -Select Name-

Printed on: Tuesday, July 16, 2019 8:46:20 AM

(Ir. Shanmugam Thoppalan)
Pengurus Besar Kanan
Jabatan Sistem Operasi

Daily MW Generation on Sunday

[illegible]

Daily MW Generation on Sunday

Station	Unit	0000	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300																								
System Total		14896	14599	14370	14036	13685	13521	13281	13160	12997	12826	12734	12754	12707	12708	12339	11889	11754	12073	12362	12741	13058	13356	13675	13726	13764	13689	13651	13889	14002	14048	13973	14011	13934	13947	13763	13586	13512	13424	13685	14419	14990	15049	15161	15125	14954	14795	14781	14459
SRev ST-Coal		256	258	374	373	303	376	366	367	349	361	362	376	360	361	379	366	373	397	367	444	440	412	362	438	435	434	450	488	646	359	691	675	679	688	680	677	680	687	734	422	456	380	255	295	231	234	216	241
SRev OCGT-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SRev CCGT-Gas		497	701	601	521	588	617	665	496	726	531	626	590	705	490	482	914	1013	663	661	554	583	501	323	266	382	184	459	331	589	593	543	485	494	472	674	842	882	1218	952	562	404	492	350	454	540	516	468	509
SRev ST-Gas		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SRev LSS		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SRev Co-Gen		-5	1	1	2	3	2	2	1	0	2	3	3	1	3	3	1	5	5	3	4	5	6	7	8	6	6	6	5	4	3	2	8	-1	0	-2	-1	0	-1	0	-2	-2	2	1	-1	2	0	0	
Syncon		714	714	714	714	714	714	714	714	714	714	714	714	527	714	815	815	815	815	815	815	815	815	815	628	628	815	815	815	628	815	815	815	815	815	815	815	815	815	815	815	714	714	0	187	500	815	815	815
Hydro		180	111	113	115	116	116	115	114	114	114	116	115	115	153	146	138	144	139	138	126	140	140	122	290	238	118	140	140	287	199	142	140	139	138	139	140	139	142	147	140	251	206	385	470	316	306	225	136
S.Reserve Total		1642	1785	1803	1725	1724	1825	1862	1692	1903	1722	1821	1798	1895	1534	1724	2234	2350	2019	1984	1943	1983	1874	1629	1630	1688	1557	1870	1779	2154	1969	2193	2123	2126	2113	2306	2473	2516	2861	2648	1937	1823	1790	992	1407	1586	1873	1724	1701